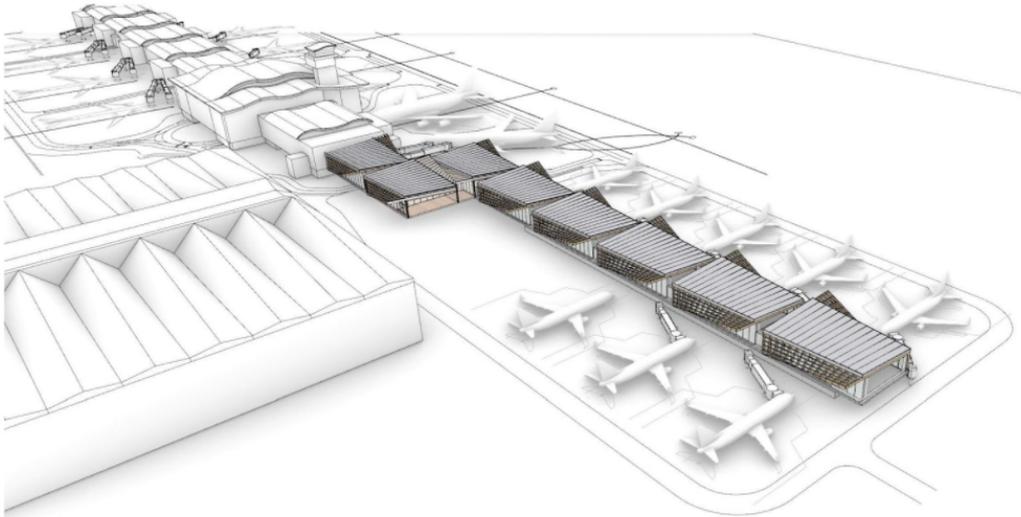


Comparing the ROI of Seven EEMs to reach ZNE cost-effectively



Project Description

A large new development had seven competing energy efficiency measures with the goal of getting to zero net energy the most cost-effectively.

The design team wanted to quickly compare the models side by side for the financial performance and implication to operational carbon from eliminating natural gas.



PARTNERS
Confidential

DESIGN PHASE
SD

BUILDING TYPE
Airport concourse

SIZE
>150,000 sq ft

LOCATION
USA

How Autocase was Used

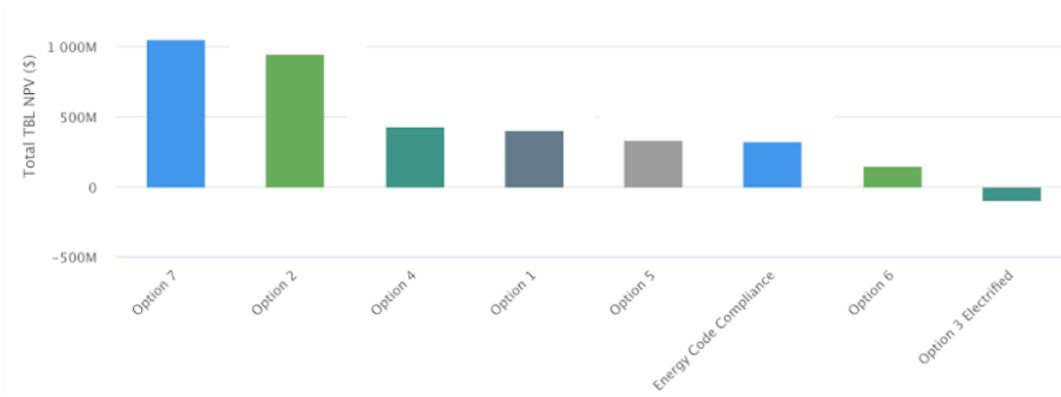
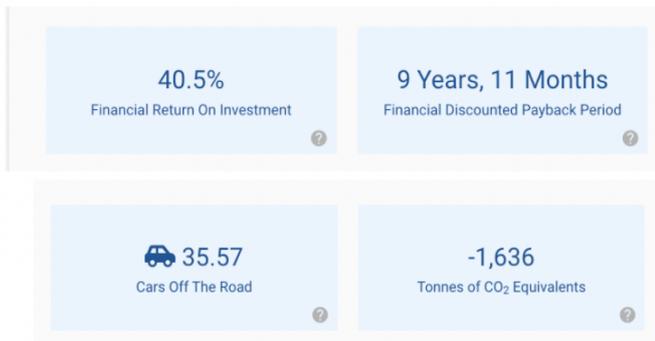
The team was able to create seven different design options within one project in Autocase and simply add in the electricity and natural gas EUI for each alternative, along with the upfront cost. Autocase’s location-specific carbon calculator did the rest.

Benefit/Cost	Stakeholder	Lifetime NPV
\$ Financial Savings from Electricity	Owner	\$273,300
\$ Financial Savings from Natural Gas	Owner	\$124,100
👤 Carbon Emissions	Community	\$77,700
👤 Social Value Air Pollution	Community	\$25,400
\$ Upfront Capital Costs	Owner	-\$282,800

The Outcome

The team showed the client the results for each energy saving measure in terms of utility savings, operational carbon, and ROI.

Using the cloud-based function of Autocase, they even iterated on-the-fly to show how a cleaner grid in the future might impact these results.



Want to learn more?

info@autocase.com



autocase.com